

FOREST INSECT AND DISEASE MANAGEMENT UNIT
U.S. FOREST SERVICE
DORAVILLE, GEORGIA

REPORT OF AERIAL DETECTION SURVEY

LAND OWNERSHIP OR SURVEY AREA: OCONEE NATIONAL FOREST, HITCHITI
EXPERIMENTAL FOREST

STATE: ~~GEORGIA~~

AREA WITHIN SURVEY AREA: 267,000 ACRES

PERCENT COVERAGE: 25%

DATE: OCTOBER 3, 1978

AIRCRAFT: CESSNA 182

CREW: C.W. DULL, FOREST INSECT & DISEASE MANAGEMENT; B.I. HAMMOND,
FOREST INSECT & DISEASE MANAGEMENT; KEITH WOOSTER, OCONEE
NATIONAL FOREST

REPORT PREPARED BY: C. W. DULL

SURVEY OBJECTIVES: TO DETECT THE PRESENCE OF FOREST INSECTS
AND DISEASES ADVERSELY AFFECTING THE OCONEE NATIONAL FOREST.
SPECIAL EMPHASIS WAS PLACED ON DELINEATING AREAS OF RED AND
FADING PINES SUSPECTED TO CONTAIN SOUTHERN PINE BEETLE
POPULATIONS.

SURVEY RESULTS

A TOTAL OF 52 SPOTS CONTAINING RED AND FADING PINES
WAS OBSERVED (SEE ATTACHED MAPS FOR LOCATIONS). SIXTY-FIVE
PERCENT OF THESE SPOTS CONTAINED FIVE OR LESS TREES. SEVERAL
LARGE SPOTS WERE OBSERVED ALONG THE OCMULGEE RIVER INCLUDING
AN AREA CONTAINING 200 RED AND FADING TREES ON THE HITCHITI
EXPERIMENTAL FOREST. THIS SPOT WAS GROUND CHECKED BY FOREST
INSECT AND DISEASE MANAGEMENT PERSONNEL, OCONEE DISTRICT
RANGER JOHN MOORE, AND HITCHITI FOREST STATION PERSONNEL. AN
ACTIVE SOUTHERN PINE BEETLE POPULATION WAS FOUND TO BE
INFESTING LARGE PINES, 65 YEARS OLD, IN AN AREA DESIGNATED
AS A NATURAL AREA.

CONCLUSIONS

THE RESULTS OF THIS AERIAL SURVEY INDICATE THAT SOUTHERN
PINE BEETLE POPULATIONS ARE INCREASING ON AND ADJACENT TO
THE OCONEE NATIONAL FOREST AND HITCHITI EXPERIMENTAL FOREST.
THE SIZE OF SPOTS CONTAINING RED AND FADING PINES HAS
INCREASED SINCE THE PREVIOUS AERIAL DETECTION SURVEY.

A BIOLOGICAL EVALUATION TO DETERMINE THE POTENTIAL FOR AN OUTBREAK OF THE SOUTHERN PINE BEETLE DURING 1979 ON THE OCONEE NATIONAL FOREST AND HITACHI EXPERIMENTAL FOREST WILL BE CONDUCTED BY FOREST INSECT AND DISEASE MANAGEMENT PERSONNEL. FIELD SURVEILLANCE BY NATIONAL FOREST PERSONNEL SHOULD CONTINUE.

FOR ANY ADDITIONAL INFORMATION, CONTACT

FOREST INSECT & DISEASE MANAGEMENT UNIT, S&PF
USFS - SOUTHEASTERN AREA

NORTHGATE OFFICE PARK, ROOM 2103	OR P.O. BOX 5895
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DORAVILLE, GA 30340	TELEPHONE: 704-258-2850
TELEPHONE: 404-221-4796	EXT. 625

OCONEE NATIONAL FOREST

UNCLE REMUS DISTRICT

SCALE

0 1 2 3 4 5 Miles

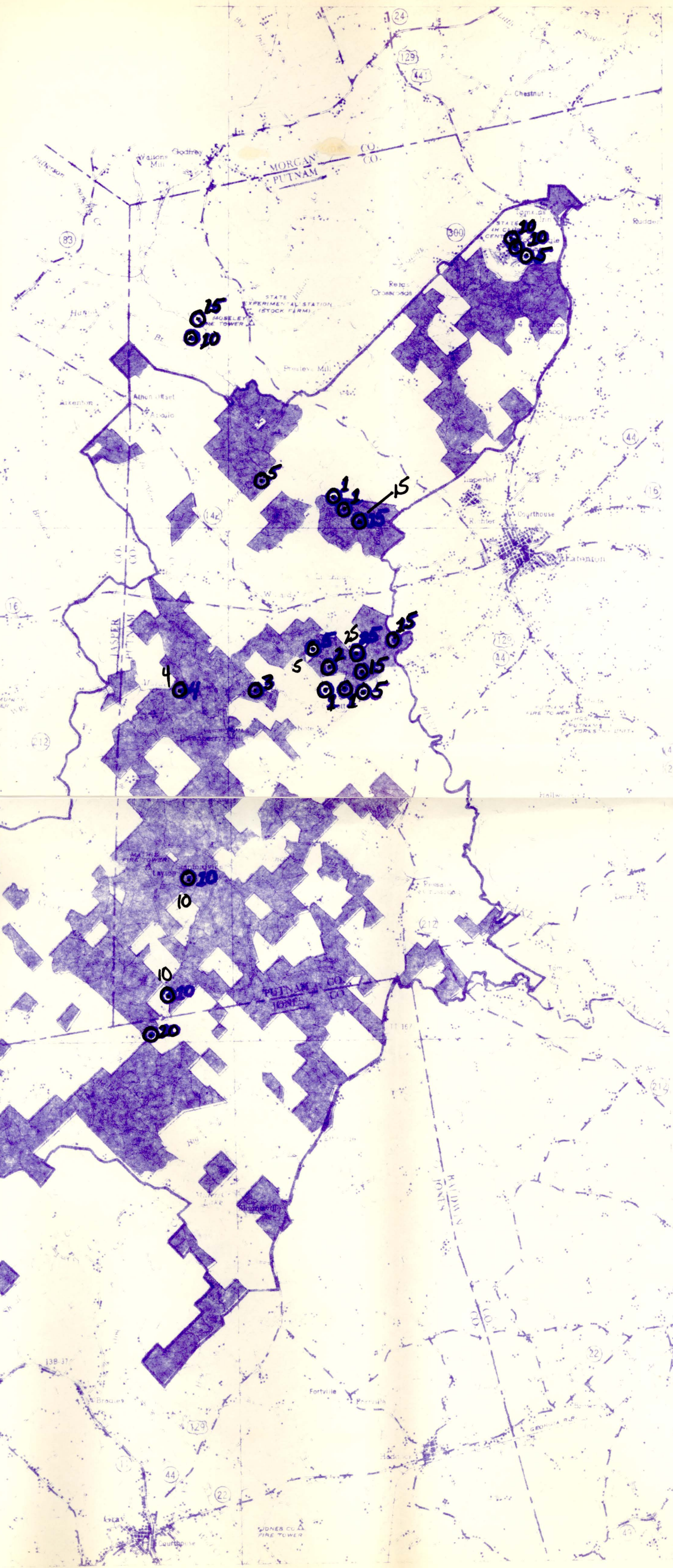
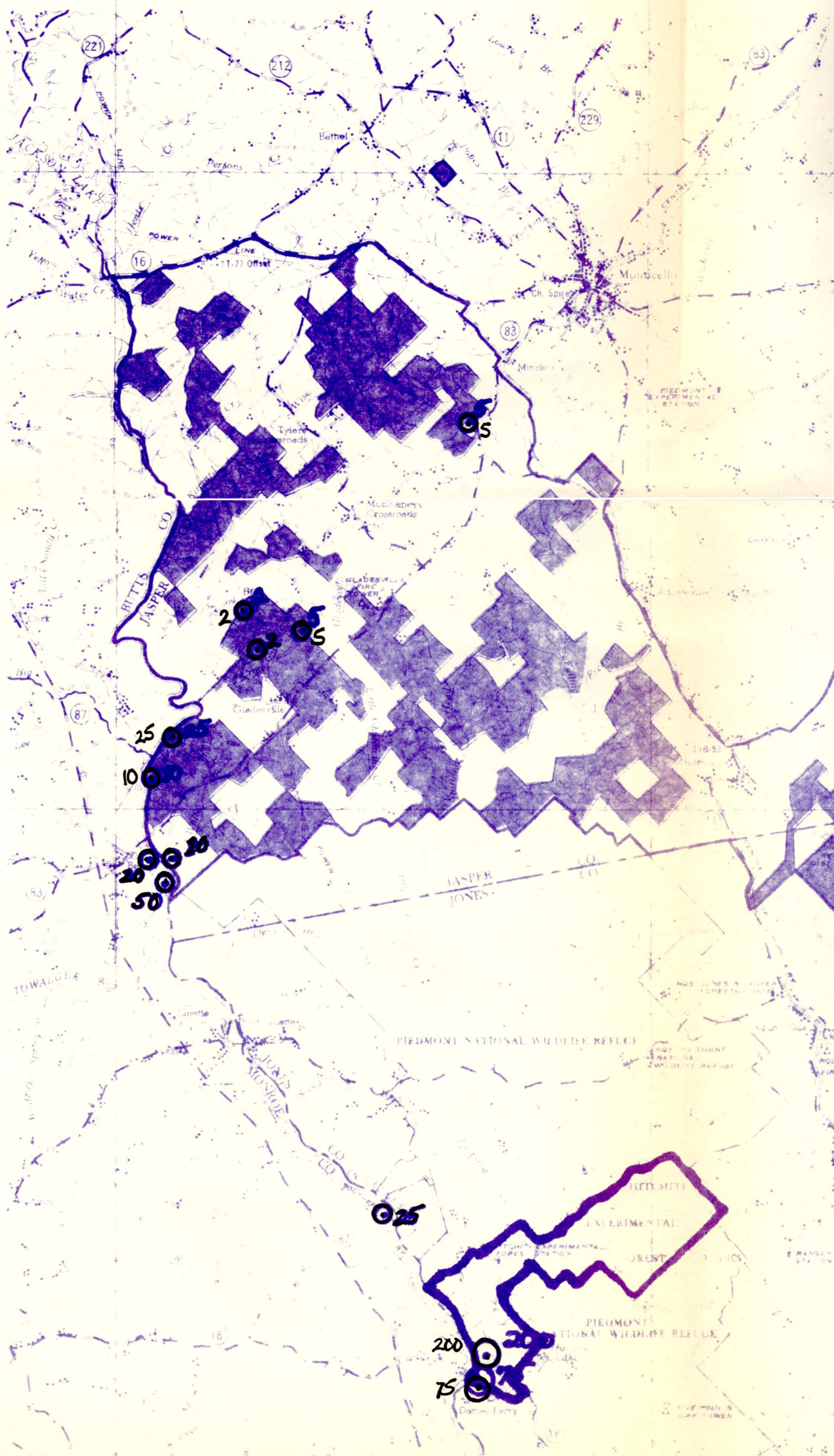
LEGEND

- | | |
|---|--------------------------------|
| — District Boundary | — Railroad |
| --- County Line | + District Ranger Station |
| — Hard Surface, Heavy Traffic Road with more than Two Lanes | △ Lookout Station |
| — Hard Surface, Heavy Traffic Road with Two Lanes | △ Permanent Lookout Station |
| — Improved Light Duty Road | House, Cabin or other Building |
| — Unimproved Dirt Road, graded only | Government Owned Property |
| — Trail | |

⊙ Red and fading pines with No. of tree

STATUS REVISED TO 1968

DISTRICT RANGER'S OFFICE AT MONTICELLO, GEORGIA
CLASS "C" MAP



OCONEE NATIONAL FOREST

REDLANDS DISTRICT

1960

SCALE



LEGEND

- | | |
|---|----------------------------------|
| — District Boundary | — Railroad |
| — County Line | † District Ranger Station |
| — Hard Surface, Heavy Traffic Road with more than Two Lanes | △ Triangulation Station |
| — Hard Surface, Heavy Traffic Road with Two Lanes | △ Permanent Lookout Station |
| — Improved Light Duty Road | • House, Cabin or other Building |
| — Unimproved Dirt Road, graded only | ■ Government Owned Properties |
| — Trail | |

⊙ Red and fading pines with no. of pines

DISTRICT RANGER'S OFFICE AT GREENSBORO, GEORGIA

CLASS "C" MAP

